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10/757,665

01/14/2004

Leonard Wurtzel

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EXAMINER

HASHEM, LISA

ART UNIT

PAPER NUMBER

2614

MAIL DATE

DELIVERY MODE

10/04/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/757,665

Applicant(s)

WURTZEL ET AL.

Examiner

Lisa Hashem

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 6-4-04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 1 recites the limitations "the wireless voice/digital information", "the format", "said received voice/digital information", and "said circuit components power". There is insufficient antecedent basis for these limitations in the claim.
3. Claim 4 recites the limitations "the serial transmission" and "the preexisting telephone wiring system". There is insufficient antecedent basis for these limitations in the claim.
4. Claim 5 recites the limitation "the handset". There is insufficient antecedent basis for this limitation in the claim.
5. Claim 7 recites the limitations "said first connection means", "said first wired end", and "said second wired end". There is insufficient antecedent basis for these limitations in the claim.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-4 and 6-8 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Pat. No. 6,760,601 by Suoknuuti et al, hereinafter Suoknuuti.

Regarding claim 1, Suoknuuti discloses communication apparatus (Fig. 1: 10, 20) for interfacing between wired and wireless voice/data generating/receiving apparatuses (Fig. 1: 32, 34) and a physical telephone line of a communication network (Fig. 1, 16) (col. 2, line 63 – col. 3, line 3), comprising:

- a) telephone outlet, said outlet being mounted within a wall of a building and includes first and second connecting means, said first and second connecting means being electrically connected to each other and to said physical telephone line, said second connecting means allowing connecting a wired telephone apparatus (Fig. 1, 32) to said telephone line (col. 2, line 63 – col. 3, line 3); and
- b) detachable module (Fig. 1, 20), said module being designed to be essentially completely embedded within the telephone outlet, whenever inserted into said outlet, and mechanically fitted into, and electrically adapted to cooperate with, said outlet, and having a wireless end (Fig. 1, 30) and first and second wired ends (Fig. 1, 33), said module providing wireless coupling between said voice/data generating/receiving apparatus and said telephone line (col. 4, lines 59-62), by utilizing said wireless end and wired coupling between said module to said telephone line, which is obtained by utilizing said first wired end and said first connection means, said module comprising all the circuit components required for receiving and transmitting the wireless voice/digital information and, if required, to transform the format of said received voice/digital information into a format complying with a communication protocol, or format, that is suitable to be fed to said communication network, and vice versa (col. 3, lines 37-46; col. 4, lines 29 – col. 5, line 8; col. 5, lines 20-27; col. 5, line 43 – col. 6, line 8), said first wired end of said module

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comprising electrical contacts for providing to said circuit components power, which exists on said telephone line, and signal connectivity, and is capable of mating with said first connection means, said second wired end of said module being designed to be completely embedded within said module, and serving to intermediate between a wired telephone apparatus (Fig. 1, 32) and said telephone line (col. 2, line 54 – col. 3, line 3).

Regarding claim 2, communication apparatus according to claim 1, wherein Suoknuuti discloses the telephone outlet has an opening and the module is mechanically and electrically coupled to said outlet by being inserted into said outlet through said opening, the insertion being guided by guiding means that are part of said outlet and said module (col. 2, line 62 – col. 3, line 3).

Regarding claim 3, communication apparatus according to claim 2, wherein Suoknuuti discloses the guiding means are rib- and-groove guides provided in the telephone outlet and in the module for guiding the insertion of said module into said outlet (col. 2, line 62 – col. 3, line 3).

Regarding claim 4, detachable module according to claim 1, wherein Suoknuuti discloses said module includes circuit means for transforming voice or digital information into modulated, high frequency or infrared signal, and vice versa (col. 3, lines 37-46; col. 4, line 29 – col. 5, line 8; col. 5, lines 20-27; col. 5, line 43 – col. 6, line 8), a transceiver (Fig. 1, 30), a component that transforms the serial transmission into a parallel transmission, and vice versa, a DSP processor (Fig. 1, 24) that transforms between communication protocols, and a direct line interface (Fig. 1, 22) to the preexisting telephone wiring system (col. 4, line 29 – col. 5, line 8).

Regarding claim 6, detachable module according to claims 1, 4 or 5, wherein Suoknuuti discloses said module is operative by being coupled to a conventional telephone outlet (col. 2, line 62 – col. 3, line 3).

Regarding claim 7, Suoknuuti discloses a method for interfacing between wired and wireless voice/data generating/receiving apparatuses (Fig. 1: 32, 34) and a physical telephone line of a communication network (Fig. 1, 16) (col. 2, line 63 – col. 3, line 3), which method comprising:

- a) mounting a telephone outlet in a wall, said outlet having an opening and a first jack/plug means for providing an electrical connection to said telephone line, and a second jack/plug means for providing, to a wired telephone apparatus (Fig. 1, 32), an electrical connection to said telephone line (col. 2, line 63 – col. 3, line 3);
- b) providing a detachable module (Fig. 1, 20) that is adapted to be mechanically and electrically coupled to said telephone outlet, by being fully inserted into said telephone outlet, said detachable module comprising projecting plug/jack contact means adapted to be coupled to said first connection means of the telephone outlet (col. 2, line 63 – col. 3, line 3), a wireless end (col. 4, lines 59-62; col. 5, lines 20-27), and a second plug/jack contact means, said detachable module containing circuit means for transforming voice or digital information, which is fed to, or received from, said first connection means, into modulated, high frequency radio or infrared signal, or vice versa (col. 3, lines 37-46; col. 4, lines 29 – col. 5, line 8; col. 5, lines 20-27; col. 5, line 43 – col. 6, line 8), and means for allowing feeding analog information to said first wired end of said module (col. 2, line 63 – col. 3, line 3), or vice versa (col. 4, lines 29-53; col. 5, line 43 – col. 6, line 8), said second wired end of said detachable module allowing direct connection

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of a wired telephone apparatus (Fig. 1, 32) to a physical telephone line, via said telephone outlet (col. 2, line 54 – col. 3, line 3); and

c) inserting said module into said telephone outlet, thereby bringing said first wired end of said module and said first connection means of said telephone outlet into electrical coupling (col. 2, line 63 – col. 3, line 3).

Regarding claim 8, method according to claim 7, Suoknuuti discloses in which the detachable module is coupled to a conventional telephone outlet (col. 2, line 63 – col. 3, line 3).

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Suoknuuti in view of U.S. Pat. No. 6,987,988 by Uchiyama.

Regarding claim 5, detachable module according to claim 1, wherein Suoknuuti does not disclose said module is utilized as a base-station in a cordless telephone system, while a corresponding voice or digital data generating/receiving apparatus being the handset of said cordless telephone system.

Uchiyama discloses communication apparatus (Fig. 2) for interfacing between wireless voice/data generating/receiving apparatuses (Fig. 1: 4, 6) and a physical telephone line of a communication network (i.e. PSTN) (col. 4, line 63 – col. 5, line 23), comprising:

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a) telephone outlet, said outlet being mounted within a wall of a building and includes first and second connecting means, said first and second connecting means being electrically connected to each other and to said physical telephone line (col. 4, line 63 – col. 5, line 23); and b) detachable module (Fig. 2), said module being designed to be essentially completely embedded within the telephone outlet, whenever inserted into said outlet, and mechanically fitted into, and electrically adapted to cooperate with, said outlet, and having a wireless end (Fig. 1, 10) (col. 5, line 62 – col. 6, line 19), said module providing wireless coupling between said voice/data generating/receiving apparatus and said telephone line (col. 5, line 62 – col. 6, line 19), by utilizing said wireless end and wired coupling between said module to said telephone line (col. 4, line 63 – col. 5, line 23), said module comprising all the circuit components required for receiving and transmitting the wireless voice/digital information and, if required, to transform the format of said received voice/digital information into a format complying with a communication protocol, or format, that is suitable to be fed to said communication network, and vice versa (col. 4, line 63 – col. 5, line 23; col. 5, line 62 – col. 6, line 19), a first wired end of said module comprising electrical contacts for providing to said circuit components power, which exists on said telephone line, and signal connectivity, and is capable of mating with said first connection means (col. 5, lines 45-61).

Wherein Uchiyama discloses said module is utilized as a base-station in a cordless telephone system, while a corresponding voice or digital data generating/receiving apparatus being the handset of said cordless telephone system (col. 6, lines 12-19).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the communication apparatus of Suoknuuti to include said module is

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utilized as a base-station in a cordless telephone system, while a corresponding voice or digital data generating/receiving apparatus being the handset of said cordless telephone system as taught by Uchiyama. One of ordinary skill in the art would have been lead to make such a modification to provide a cordless telephone system that utilizes a uniform operational interface that has a wired and wireless link.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892 Form.

11. Any response to this action should be mailed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Or faxed to:

(571) 273-8300 (for formal communications intended for entry)

Or call:

(571) 272-2600 (for customer service assistance)

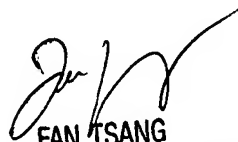
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lisa Hashem whose telephone number is (571) 272-7542. The examiner can normally be reached on M-F 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571) 272-7547. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

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12. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

lh
September 21, 2007


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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600